

Acoustic Glass Break Detector

Art.-Nr. AZGB10000

Seite 1 von 2



PROTECTS WEAK POINTS: WINDOWS, PATIO DOORS, GLASS FRONTS

Acoustic detector reports glass breakage

With the acoustic glass break detector, you can monitor larger window fronts. The detector responds to the specific sound of breaking glass. Glass breakage is detected and reported to the alarm center.

Functionality and reliable detection

The acoustic glass breakage detector reacts to the sound frequency generated by shattering glass (low and high frequency sound components). And it comes in two stages: 1. an abrupt increase in volume (sound pressure) during glass breakage; 2. a muffled sound (lower sound pressure) caused by the impact of the falling glass fragments. First glass breakage, then impact of the shards: only if both criteria are met will the detector trigger an alarm. This ensures that everyday noises (clinking of drinking glasses, ball against a window pane, etc.) do not trigger an alarm.

Optimal mounting location

For reliable detection, the detector should face the window area to be monitored. The area of the window pane can be between 30 x 30 cm and 3 x 3 m. The optimal position is at a distance of about 2-3 m from the glass front. The maximum distance is up to 8 m (depending on glass type and thickness). The effective detection range may be reduced, for example, with burglar-resistant glass and depending on the equipment/decoration on the window (curtains, flowers, interior shutters).

Technologies

- Wire detectors for protection of glass surfaces and window fronts
- Reliable acoustic detection of glass breakage
- Detection range: up to 8 m, depending on the type and thickness of the glass pane
- Surveillance of entire window fronts and conservatories with only one detector

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Seite 2 von 2

- Distinguishes between shattering window panes and everyday noises (drinking glasses, ball hitting the window, etc.)
- Certified according to EN grade 2

Technical data - Acoustic Glass Break Detector

Certifications	EN 50131 Grade 2
Compatible with	Secoris, Secvest, Terxon
Connections	NC
DC voltage supply	8-16 V
Detector coverage area (m)	8 m
Dimensions	(WxHxD) 38,8x107x24,5 mm
EN	Grade 2
Height	107 mm
Housing material	ABS
Installation location	Across from the glass surfaces to be monitored
Length	24,5 mm
Max. operating temperature	55 °C
Min. operating temperature	-10 °C
Net weight	0,05 kg
Power consumption	25 mA
Sabotage monitoring	Yes
Sensor type	Omnidirectional microphone
Status display	Yes
Type of detection	Audible
Width	38,8 mm